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Digital healthcare empowering Europeans

proceedings of MIE2015

Cornet, Ronald; Stoicu-Tivadar, Lcrmioara; Hörbst, Alexander; Calderón, Carlos Luis Parra; Andersen, Stig Kjær; Hercigonja-Szekeres, Mira

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DIGITAL HEALTHCARE EMPOWERING EUROPEANS

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Edited by

Ronald Cornet

*Department of Medical Informatics, Academic Medical Center –
University of Amsterdam, The Netherlands*

Department of Biomedical Engineering, Linköping University, Sweden

Lăcrămioara Stoicu-Tivadar

*Faculty of Automation and Computers, University Politehnica Timișoara,
Romania*

Alexander Hörbst

*Research Division for eHealth and Telemedicine, UMIT – University for
Health Sciences, Medical Informatics and Technology, Hall in Tyrol, Austria*

Carlos Luis Parra Calderón

Hospitales Universitarios Virgen Macarena y Virgen del Rocío, Sevilla, Spain

Stig Kjær Andersen

Department of Health Science and Technology, Aalborg University, Denmark

and

Mira Hercigonja-Szekeres

University of Applied Health Studies, Zagreb, Croatia

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Press

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Preface

This volume contains the proceedings of the MIE2015 conference, “Digital healthcare empowering Europeans”, highlighting the impact that digitisation has on all citizens, medical staff, patients and their carers. Over decades digitisation of healthcare has become almost ubiquitous, spreading from healthcare organisations into the homes and personal appliances of practically every citizen. Similarly, biomedical and health informatics has spread from dedicated manufacturers to the largest information technology companies.

MIE2015, the 26th Medical Informatics in Europe Conference, has been jointly organised by the European Federation for Medical Informatics (EFMI) and the Spanish Society of Health Informatics (SEIS), organisations which were both established in 1976. MIE2015 takes place in the splendid city of Madrid, Spain, from May 27th to 29th, 2015. EFMI is a federation of national medical informatics associations from 30 European countries, and its purpose is to develop and disseminate knowledge and expertise in the field of biomedical and health informatics. Besides the national associations, the working groups, which include experts in specialist fields ranging from electronic patient records, medical imaging, and evaluation to nursing and rehabilitation, are the main channel through which new knowledge and ideas are developed and disseminated.

“**Digital healthcare empowering Europeans**”, the theme of MIE2015, is addressing a range of important aspects, relating to opportunities for or impact of new approaches and IT tools in day-to-day life affecting the citizens. The conference theme aligns with collective efforts of multiple parties: patients, care providers, system developers, researchers, and ultimately the entire population of Europe to join in to enjoy benefits that digitisation of health information offers. Digitisation enables involvement of people in management of their own health and empowers people to be in more control of all aspects of their health and for the care they require. The conference provokes discussions of inherent challenges to design and adequately deploy ICT tools, to assess health IT interventions, train users, and exploit available information and knowledge to scrutinise visions for continuous and ubiquitous availability and interoperability in health care. MIE2015 brings together participants that share their latest achievements in biomedical and health informatics, including the role of the user in digital healthcare, where interdisciplinary collaboration may achieve care, and treatment processes supporting quality of life for citizens, healthcare providers, and the society. Contributions address methodologies and applications, success stories and lessons learned as well as an outlook on on-going projects and directions for the future.

The editors would like to thank all the authors from 43 countries for their excellent work as well as the 310 reviewers for lending their expertise to the conference, thereby contributing to the final achievements. Special thanks go to the Spanish Local Organizing Committee for the contribution in hosting the conference and to EFMI President Anne Moen for her constant commitment to a great event.

Ronald Cornet, Lăcrămioara Stoicu-Tivadar, Alexander Hörbst,
Carlos Luis Parra Calderón, Stig Kjær Andersen, Mira Hercigonja-Szekeres
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Contents

Preface	v
<i>Ronald Cornet, Lăcrămioara Stoicu-Tivadar, Alexander Hörbst, Carlos Luis Parra Calderón, Stig Kjær Andersen and Mira Hercigonja-Szekeres</i>	
Reviewers for MIE2015	vii
Papers	
1. Information and Knowledge Representation and Processing	
Incidence Rate of Canonical vs. Derived Medical Terminology in Natural Language	5
<i>Vasile Topac, Daniel-Alexandru Jurcau and Vasile Stoicu-Tivadar</i>	
Expertizer: A Tool to Assess the Expert Level of Online Health Websites	10
<i>Richard Zowalla, Martin Wiesner and Daniel Pfeifer</i>	
A Connecting System for Cardiological Lexicons	15
<i>Stefano Bonacina, Sara Marceglia, Veronica Pinello, Silvia Magni and Francesco Pincirolì</i>	
A Framework for Contextual Design and Evaluation of Health Information Technology	20
<i>Craig Kuziemsky and Andre Kushniruk</i>	
Observing Health Professionals' Workflow Patterns for Diabetes Care – First Steps Towards an Ontology for EHR Services	25
<i>M. Schweitzer, N. Lasier and A. Hoerbst</i>	
Discovering the Role of Morphology on the Understanding of Biomedical Terminology by Paramedical Students	30
<i>Meriem Rais and Natalia Grabar</i>	
Simulating Realistic Enough Patient Records	35
<i>James Cunningham and John Ainsworth</i>	
From IHE Audit Trails to XES Event Logs Facilitating Process Mining	40
<i>Ferdinand Paster and Emmanuel Helm</i>	
Participatory Design for Drug-Drug Interaction Alerts	45
<i>Daniel Luna, Carlos Otero, Alfredo Almerares, Enrique Stanziola, Marcelo Risk and Fernán González Bernaldo de Quirós</i>	
Automatic Extraction of Numerical Values from Unstructured Data in EHRs	50
<i>Elise Bigeard, Vianney Jouhet, Fleur Mougín, Frantz Thiessard and Natalia Grabar</i>	

Exploring Brand-Name Drug Mentions on Twitter for Pharmacovigilance <i>Pablo Carbonell, Miguel A. Mayer and Àlex Bravo</i>	55
Methods for Sonic Representation of Heart Rate During Exercise <i>Minodora Andor, Anca Tudor, Sorin Paralescu and George I. Mihalas</i>	60
Development of a Database and Processing Method for Detecting Hematotoxicity Adverse Drug Events <i>Yoshie Shimai, Toshihiro Takeda, Shirou Manabe, Kei Teramoto, Naoki Mihara and Yasushi Matsumura</i>	65
Synthesizing Analytic Evidence to Refine Care Pathways <i>Haifeng Liu, Xiang Li, Yiqin Yu, Jing Mei, Guotong Xie, Adam Perer, Fei Wang and Jianying Hu</i>	70
Content Based Image Retrieval Using Local Binary Pattern Operator and Data Mining Techniques <i>Oana Astrid Vatamanu, Mirela Frandescu, Diana Lungeanu and Gheorghe-Ioan Mihalas</i>	75
Health Consumer-Oriented Information Retrieval <i>Vincent Claveau, Thierry Hamon, Sébastien Le Maguer and Natalia Grabar</i>	80
A Methodology for Mining Clinical Data: Experiences from TRANSFoRM Project <i>Roxana Danger, Derek Corrigan, Jean K. Soler, Przemyslaw Kazienko, Tomasz Kajdanowicz, Azeem Majeed and Vasa Curcin</i>	85
Use of Eye-Tracking Technology in Clinical Reasoning: A Systematic Review <i>Katherine Blondon, Rolf Wipfli and Christian Lovis</i>	90
Visual Analytics in Medical Education: Impacting Analytical Reasoning and Decision Making for Quality Improvement <i>Christos Vaitis, Gunnar Nilsson and Nabil Zary</i>	95
Why Do We Need and How Can We Realize a Multi-Disciplinary Approach to Health Informatics? <i>Bernd Blobel, Frank Oemig and Diego M. López</i>	100
Investigation of the Quality and Effectiveness of Telemedicine in Children with Diabetes <i>Aikaterini Chorianopoulou, Paschalina Lialiou, Enkeleint-Aggelos Mechili, John Mantas and Marianna Diomidous</i>	105
How to Use Concept Mapping to Identify Barriers and Facilitators of an Electronic Quality Improvement Intervention <i>Mariëtte van Engen-Verheul, Niels Peek, Tom Vromen, Monique Jaspers and Nicolette de Keizer</i>	110
Insights and Limits of Usability Evaluation Methods Along the Health Information Technology Lifecycle <i>Romarc Marcilly, Andre W. Kushniruk, Marie-Catherine Beuscart-Zephir and Elizabeth M. Borycki</i>	115

Improvement of Diagnosis Coding by Analysing EHR and Using Rule Engine: Application to the Chronic Kidney Disease <i>Jérémy Lardon, Hadyl Asfari, Julien Souvignet, Béatrice Trombert-Paviot and Cédric Bousquet</i>	120
Multidisciplinary Modelling of Symptoms and Signs with Archetypes and SNOMED-CT for Clinical Decision Support <i>Luis Marco-Ruiz, J. Alberto Maldonado, Randi Karlsen and Johan G. Bellika</i>	125
Auditing of SNOMED CT's Hierarchical Structure Using the National Drug File – Reference Terminology <i>Aleksandr Zakharchenko and James Geller</i>	130
Design, Development and First Validation of a Transcoding System from ICD-9-CM to ICD-10 in the IT.DRG Italian Project <i>Vincenzo Della Mea, Omar Vuattolo, Lucilla Frattura, Flavia Munari, Eleonora Verdini, Loris Zanier, Laura Arcangeli and Flavia Carle</i>	135
Re-Use of SNOMED CT Subset in Development of the Danish National Standard for Home Care Nursing Problems <i>Anne Randorff Højen, Kirstine Rosenbeck Gøeg and Pia Britt Elberg</i>	140
Multi-Agent Architecture for the Multi-Skill Tasks Modeling at the Pediatric Emergency Department <i>Ines Ajmi, Hayfa Zgaya, Slim Hammadi, Lotfi Gammoudi, Alain Martinot, Régis Beuscart and Jean-Marie Renard</i>	145
Clinical Decision Support Using a Terminology Server to Improve Patient Safety <i>Alba Garcia-Jimenez, Alberto Moreno-Conde, Alicia Martínez-García, Ignacio Marín-León, Francisco Javier Medrano-Ortega and Carlos L. Parra-Calderón</i>	150
Biomarkers in the Ontology for General Medical Science <i>Werner Ceusters and Barry Smith</i>	155
Toward a Patient Safety Upper Level Ontology <i>Julien Souvignet and Jean-Marie Rodrigues</i>	160
Lessons Learned in the Generation of Biomedical Research Datasets Using Semantic Open Data Technologies <i>María del Carmen Legaz-García, José Antonio Miñarro-Giménez, Marcos Menárguez-Tortosa and Jesualdo Tomás Fernández-Breis</i>	165
Semantic Interoperable Electronic Patient Records: The Unfolding of Consensus Based Archetypes <i>Rune Pedersen, Rolf Wynn and Gunnar Ellingsen</i>	170
Toward a Use Case Based Classification of Mobile Health Applications <i>Mobin Yasini and Guillaume Marchand</i>	175

Combining Archetypes with Fast Health Interoperability Resources in Future-Proof Health Information Systems	180
<i>Diego Bosca, David Moner, Jose Alberto Maldonado and Montserrat Robles</i>	
An IT Architecture for Systems Medicine	185
<i>Matthias Ganzinger, Matthias Gietzelt, Christian Karmen, Daniel Firnkorn and Petra Knaup</i>	
Outcome-Driven Evaluation Metrics for Treatment Recommendation Systems	190
<i>Jing Mei, Haifeng Liu, Xiang Li, Yiqin Yu and Guotong Xie</i>	
Identifying Redundant and Missing Relations in the Gene Ontology	195
<i>Fleur Mougin</i>	
Integrating Low-Cost Rapid Usability Testing into Agile System Development of Healthcare IT: A Methodological Perspective	200
<i>Andre W. Kushniruk and Elizabeth M. Borycki</i>	
Interactive Resistance Chair to Promote Strengthening Exercise in Older Adults	205
<i>In cheol Jeong and Joseph Finkelstein</i>	
Version Changes in Medical Software: Proposing Minimal Requirements for Release Notes and a Version Number Convention – An Operators’ Point of View	210
<i>Janko Ahlbrandt, Constantin Bott, Peter Moll, Tolga Naziyok, Raphael W. Majeed and Rainer Röhrig</i>	
Normalized Medical Information Visualization	215
<i>Ricardo Sánchez-de-Madariaga, Adolfo Muñoz, Roberto Somolinos, Antonio Castro, Iker Velázquez, Oscar Moreno, José L. García-Pacheco, Mario Pascual and Carlos H. Salvador</i>	
META-GLARE: A Shell for CIG Systems	218
<i>Alessio Bottrighi, Stefania Rubrichi and Paolo Terenziani</i>	
Enrich Classifications in Psychiatry with Textual Data: An Ontology for Psychiatry Including Social Concepts	221
<i>Marion Richard, Xavier Aimé, Marie-Odile Krebs and Jean Charlet</i>	
Reuse of EHRs to Support Clinical Research in a Hospital of Reference	224
<i>Miguel A. Mayer, Laura I. Furlong, Pilar Torre, Ignasi Planas, Francesc Cots, Elisabet Izquierdo, Jordi Portabella, Javier Rovira, Alba Gutierrez-Sacristan and Ferran Sanz</i>	
A New Approach for Cleansing Geographical Dataset Using Levenshtein Distance, Prior Knowledge and Contextual Information	227
<i>Adrien Ugon, Thomas Nicolas, Marion Richard, Patrick Guerin, Pascal Chansard, Christophe Demoor and Laurent Toubiana</i>	
Prediabetes and Cardiovascular Risk Alert Programs – Useful Tools for Preventing Diabetes Mellitus and Cardiovascular Events in Primary Medicine	230
<i>Horia Virgolici, Bogdana Virgolici and Victor Purcarea</i>	

Filling the Gap Between Guideline Development and Formalization Process – A Requirement Analysis	233
<i>Soudabeh Khodambashi and Øystein Nytrø</i>	
Electronic Patient Records System as a Monitoring Tool	236
<i>Michael Shifrin, Natalia Kurdumova, Gleb Danilov, Olga Ershova, Ivan Savin, Irina Alexandrova, Ekaterina Sokolova and Togrul Tabasaranskiy</i>	
2. Health Information Management	
IANUA: A Regional Project for the Determination of Costs in HIV-Infected Patients	241
<i>Barbara Giannini, Roberta Gazzarata, Patrizia Orcamo, Caterina Merlano, Giovanni Cenderello, Alberto Venturini, Antonio Di Biagio, Giovanni Mazzarello, Marcello Montefiori, Marta Ameri, Maurizio Setti, Claudio Viscoli, Giovanni Cassola and Mauro Giacomini</i>	
Can eHealth Reduce Medical Expenditures of Chronic Diseases?	246
<i>Masatsugu Tsuji, Sheikh Abu Taher and Yusuke Kinai</i>	
Secure Public Cloud Platform for Medical Images Sharing	251
<i>Wei Pan, Gouenou Coatrieux, Dalel Bouslimi and Nicolas Prigent</i>	
Implementability of Stroke Guidelines: A Pragmatic Comparison Between US and European Recommendations Using eGLIA	256
<i>Andrea Freixa, Tiago Moreira, Olivier Bill and Nadim Anani</i>	
Online Pharmaceutical Care Provision: Full-Implementation of an eHealth Service Using Design Science Research	261
<i>João Gregório, Ângela Pizarro, Afonso Cavaco, Rolf Wipfli, Christian Lovis, Miguel Mira da Silva and Luís Velez Lapão</i>	
A System Dynamics Approach to Analyze Laboratory Test Errors	266
<i>Shijing Guo, Abdul Roudsari and Artur d'Avila Garcez</i>	
A Template-Based Computerized Instruction Entry System Helps the Communication Between Doctors and Nurses	271
<i>Toshihiro Takeda, Naoki Mihara, Rie Nakagawa, Shiro Manabe, Yoshie Shimai, Kei Teramoto and Yasushi Matsumura</i>	
Data Quality Evaluation in Medical Database Watermarking	276
<i>Javier Franco-Contreras, Gouenou Coatrieux, Philippe Massari, Stefan Darmoni, Nora Cuppens-Boulahia, Frédéric Cuppens and Christian Roux</i>	
E-Health Stakeholders Experiences with Clinical Modelling and Standardizations	281
<i>Kirstine Rosenbeck Gøeg, Pia Britt Elberg and Anne Randorff Højen</i>	

An Adaptive Scheduling Model for a Multi-Agent Based VEPR Data Collection Actions	286
<i>Pedro Vieira-Marques, Jorge Jácome, José Hilário-Patriarca and Ricardo Cruz-Correia</i>	
Secondary Use of Structured Patient Data: Interim Results of a Systematic Review	291
<i>Riikka Vuokko, Päivi Mäkelä-Bengs, Hannele Hyppönen and Persephone Doupi</i>	
Implementing a Tele-Expertise System to Optimise the Antibiotic Use and Stewardship: The Case of the Montpellier University Hospital (France)	296
<i>D. Morquin, R. Ologeanu-Taddei, Y. Koumar, R. Bourret and J. Reynes</i>	
Exploring User Experience of a Telehealth System for the Danish TeleCare North Trial	301
<i>Pernille Heyckendorff Lilholt, Lisa Korsbakke Emtekær Hæsum and Ole Kristian Hejlesen</i>	
Engaging in Large-Scale Digital Health Technologies and Services. What Factors Hinder Recruitment?	306
<i>Siobhan O'Connor, Frances S. Mair, Marilyn McGee-Lennon, Matt-Mouley Bouamrane and Kate O'Donnell</i>	
Development and Trial of ePoint.telemed – An Open Web-Based Platform for Home Monitoring of Chronic Heart Failure Patients	311
<i>J. Artur Serrano and Halgeir Holthe</i>	
Mobile Technology Support for Clinical Decision in Diabetic Keto-Acidosis Emergency	316
<i>Mirela Frandes, Bogdan Timar, Alexandra Tole, Stefan Holban and Diana Lungeanu</i>	
Nursing Intervention Using Smartphone Technologies; A Systematic Review and Meta-Analysis	321
<i>Eunjoo Jeon and Hyeoun-Ae Park</i>	
3. Healthcare Service Delivery	
Clinical Data Warehousing for Evidence Based Decision Making	329
<i>Lekha Narra, Tony Sahama and Peta Stapleton</i>	
Using a Snowflake Data Model and Autocompletion to Support Diagnostic Coding in Acute Care Hospitals	334
<i>Joseph Noussa-Yao, Abdelali Boussadi, Monique Richard, Didier Heudes and Patrice Degoulet</i>	
Planning, Execution and Monitoring of Physical Rehabilitation Therapies with a Robotic Architecture	339
<i>José Carlos González, José Carlos Pulido, Fernando Fernández and Cristina Suárez-Mejías</i>	

Clinical Practice Guidelines Consistency for Patients with Multimorbidity: A Case-Study in the Management of Type 2 Diabetes and Hypertension <i>Alexandre Galopin, Jacques Bouaud, Suzanne Pereira and Brigitte Séroussi</i>	344
Approach to Extract Billing Data from Medical Documentation in Russia – Lessons Learned <i>Georgy Kopanitsa and Vladimir Yampolskiy</i>	349
Integrated Wireless Sensor Network for Monitoring Pregnant Women <i>Adina Nițulescu, Mihaela Crișan-Vida, Lăcrămioara Stoicu-Tivadar and Elena Bernad</i>	354
Devising Outlier-Based Alerts for Medication Orders <i>Gouri Prakash</i>	359
Diagnostic Imaging Requisition Quality when Using an Electronic Medical Record: A Before-After Study <i>Marc Benard, Jacques Bouaud, Claude Marsault, Frank Boudghene, Marie-France Carette and Brigitte Séroussi</i>	364
Using EHRs for Heart Failure Therapy Recommendation Using Multidimensional Patient Similarity Analytics <i>Maryam Panahiazar, Vahid Taslimitehrani, Naveen L. Pereira and Jyotishman Pathak</i>	369
Nurses' Expectations and Perceptions of a Redesigned Electronic Health Record <i>Zulma Gonzalez, Francisco Recondo, Janine Sommer, Bibiana Schachner, Gabriela Garcia, Daniel Luna and Sonia Benítez</i>	374
Mapping Russian Laboratory Terms to LOINC <i>Georgy Kopanitsa</i>	379
Managing Uncertainties in the Surgical Scheduling <i>Lisa Wiyartanti, Myon Woong Park, Dahee Chung, Jae Kwan Kim, Young Tae Sohn and Gyu Hyun Kwon</i>	384
Electronic Whiteboards: Review of the Literature <i>Rebecca Randell, Joanne Greenhalgh, Jeremy Wyatt, Peter Gardner, Alan Pearman, Stephanie Honey and Dawn Dowding</i>	389
Evaluation of Compliance with Recommendations of Prevention of Thromboembolism in Atrial Fibrillation in the Elderly, by Data Reuse of Electronic Health Records <i>Laurie Ferret, Jean-Baptiste Beuscart, Grégoire Ficheur, Régis Beuscart, Michel Luyckx and Emmanuel Chazard</i>	394
Automatic Landmarks Detection in Breast Reconstruction Aesthetic Assessment <i>Francisco J. Núñez-Benjumea, Carmen Serrano and Begoña Acha</i>	399
A Multi-Method Pilot Evaluation of an Online Diabetes Exercise System <i>Clara Schaarup and Ole K. Hejlesen</i>	404

EpiHosp: A Web-Based Visualization Tool Enabling the Exploratory Analysis of Complications of Implantable Medical Devices from a Nationwide Hospital Database	409
<i>Grégoire Ficheur, Lionel Ferreira Careira, Régis Beuscart and Emmanuel Chazard</i>	
An Ontology for Healthcare Quality Indicators: Challenges for Semantic Interoperability	414
<i>Pam White and Abdul Roudsari</i>	
Improvement of the Quality of Medical Databases: Data-Mining-Based Prediction of Diagnostic Codes from Previous Patient Codes	419
<i>Mehdi Djennaoui, Grégoire Ficheur, Régis Beuscart and Emmanuel Chazard</i>	
Blinded Anonymization: A Method for Evaluating Cancer Prevention Programs Under Restrictive Data Protection Regulations	424
<i>Sebastian Bartholomäus, Hans Werner Hense and Oliver Heidinger</i>	
How to Assist Intensive Care Units in Improving Healthcare Quality. Development of Actionable Quality Indicators on Blood Use	429
<i>Marie-José Roos-Blom, Dave Dongelmans, M. Sesmu Arbous, Evert de Jonge and Nicolette de Keizer</i>	
Integrated Care: An Information Model for Patient Safety and Vigilance Reporting Systems	434
<i>Jean-Marie Rodrigues, Stefan Schulz and Julien Souvignet</i>	
Supporting in- and off-Hospital Patient Management Using a Web-Based Integrated Software Platform	439
<i>Basile Spyropoulos, Maria Botsivali, Aris Tzavaras and Vasileios Pierros</i>	
Cross-Institutional Document Exchange System Using Clinical Document Architecture (CDA) with Virtual Printing Method	444
<i>Naoki Mihara, Kanayo Ueda, Shirou Manabe, Toshihiro Takeda, Yoshie Shimai, Hiroyuki Horishima, Taizo Murata, Ayumi Fujii and Yasushi Matsumura</i>	
Using ICT to Support Individual Guidance in Health Promotion Programs for Increased Physical Activity	449
<i>Erik Tute, Bernward Engelke, Ingo Haase, Thomas Kupka, Michael Marschollek, Gerald Schneider, Lothar Stein and Uwe Tegtbur</i>	
Internet-Based Remote Consultations – General Practitioner Experience and Attitudes in Norway and Germany	452
<i>Timotheus Kampik, Frank Larsen and Johan Gustav Bellika</i>	
Telemedicine and Cooperative Remote Healthcare Services: COPD Field Trial	455
<i>Martin Gerdes, Berglind Smaradottir, Frank Reichert and Rune Fensli</i>	
Consumer Sleep Tracking Devices: A Critical Review	458
<i>Jeon Lee and Joseph Finkelstein</i>	

A Recommender System for Medical Imaging Diagnostic <i>Eriksson Monteiro, Frederico Valente, Carlos Costa and José Luís Oliveira</i>	461
---	-----

The Effect of Pharmaceutical Services-Based <i>eHealth</i> Intervention on Chronic Patient Health Outcomes <i>Á.M. Pizarro, J.P. Gregório and L.V. Lapão</i>	464
---	-----

4. Ambient Assisted Living and Wellbeing

Feasibility of Post-Acute Hip Fracture Telerehabilitation in Older Adults <i>McKenzie Bedra and Joseph Finkelstein</i>	469
---	-----

Multimedia Health Records: User-Centered Design Approach for a Multimedia Uploading Service <i>Fernando Plazzotta, John C. Mayan, Fernando D. Storani, Juan M. Ortiz, Gastón E. Lopez, Gastón M. Gimenez and Daniel R. Luna</i>	474
--	-----

Tablet Technology for Rehabilitation After Spinal Cord Injury: A Proof-of-Concept <i>Gabriella Fizzotti, Carla Rognoni, Arianna Imarisio, Alessandro Meneghini, Caterina Pistarini and Silvana Quaglini</i>	479
---	-----

Dynamic Feature Selection Applied to the Recognition of Grasping Movements in the Control of Bioprosthetic Hand <i>Marek Kurzynski</i>	484
---	-----

A Kinect Based Intelligent E-Rehabilitation System in Physical Therapy <i>Norbert Gal, Diana Andrei, Dan Ion Nemeş, Emanuela Nădăşan and Vasile Stoicu-Tivadar</i>	489
---	-----

AUVA – Augmented Reality Empowers Visual Analytics to Explore Medical Curriculum Data <i>Sokratis Nifakos, Christos Vaitis and Nabil Zary</i>	494
--	-----

5. Research and Education

End-User Expectations During an Electronic Health Record Implementation: A Case Study in Two Academic Hospitals <i>Erik Joukes, Ronald Cornet, Ameen Abu-Hanna, Martine de Bruijne and Nicolette de Keizer</i>	501
--	-----

A European Inventory of Data Elements for Patient Recruitment <i>Justin Doods, Caroline Lafitte, Nadine Ulliac-Sagnes, Johan Proeve, Florence Botteri, Robert Walls, Andy Sykes, Martin Dugas and Fleur Fritz</i>	506
--	-----

OPTIMED Platform: Curriculum Harmonisation System for Medical and Healthcare Education <i>Martin Komenda, Daniel Schwarz, Christos Vaitis, Nabil Zary, Jaroslav Štěrba and Ladislav Dušek</i>	511
--	-----

Comparing Video and Avatar Technology for a Health Education Application for Deaf People	516
<i>Ionuț Adrian Chiriac, Lăcrămioara Stoicu-Tivadar and Elena Podoleanu</i>	
Requirements for a Patient Recruitment System	521
<i>Björn Schreiweis and Björn Bergh</i>	
Evaluation of Internet Social Networks Using Net Scoring Tool: A Case Study in Adverse Drug Reaction Mining	526
<i>Sandrine Katsahian, Erica Simond Moreau, Damien Leprovost, Jeremy Lardon, Cedric Bousquet, Gaétan Kerdelhué, Redhouane Abdellaoui, Nathalie Texier, Anita Burgun, Abdelali Boussadi and Carole Faviez</i>	
Understanding the Perceived Usefulness and the Ease of Use of a Hospital Information System: The Case of a French University Hospital	531
<i>R. Ologeanu-Taddei, D. Morquin and R. Bourret</i>	
Health Information Systems: Evaluation and Performance of a Help Desk	536
<i>Leandro Pintos, Adriana Stieben, Gabriela Garcia, Agustina Briatore, Agustina Bertoia, Sonia Benitez, Diego Giunta, Analía Baum and Fernán Gonzalez Bernaldo de Quiros</i>	
Problem Solving for Volatilizing Situation in Nursing: Developing Thinking Process Supporting System Using NursingNAVI® Contents	541
<i>Satoko Tsuru, Fumiko Wako, Miho Omori and Kumiko Sudo</i>	
Challenges of Stimulating a Market for Social Innovation – Provision of a National Health Account	546
<i>Sofie Wass and Vivian Vimarlund</i>	
Competence Assessment of Centres Participating in Clinical Trials	551
<i>Guillaume Bouzillé, Pierre Asfar, Marc Cuggia and Jean-François Hamel</i>	
Development of Knowledge Profiles for International eHealth eLearning Courses	556
<i>Juliane Herzog, Stefan Sauermann, Alexander Mense, Mathias Forjan and Philipp Urbauer</i>	
Analysis of EU – USA Cooperation Opportunities on IT Skills for Healthcare Workforce	561
<i>Vicente Traver, Stathis Th. Konstantinidis, Panagiotis D. Bamidis and Nabil Zary</i>	

6. Digital Healthcare Services

A WSN Healthcare Monitoring System for Elderly People in Geriatric Facilities	567
<i>Xiao Yu, Peter Weller and Kenneth T.V. Grattan</i>	
Assisting E-Patients in an <i>Ask the Doctor Service</i>	572
<i>Amine Abdaoui, Jérôme Azé, Sandra Bringay and Pascal Poncelet</i>	
Metadata Requirements for Portals	577
<i>Tim Benson</i>	

Citizen Personas: Exploring Challenges of Citizen-Centric eHealth <i>Lone Stub Petersen and Pernille Bertelsen</i>	582
Internet of Things for an Age-Friendly Healthcare <i>Evdokimos I. Konstantinidis, Giorgos Bamparopoulos, Antonis Billis and Panagiotis D. Bamidis</i>	587
Contextual Cloud-Based Service Oriented Architecture for Clinical Workflow <i>Jesús Moreno-Conde, Alberto Moreno-Conde, Francisco J. Núñez-Benjumea and Carlos Parra-Calderón</i>	592
Acquisition of Character Translation Rules for Supporting SNOMED CT Localizations <i>Jose Antonio Miñarro-Giménez, Johannes Hellrich and Stefan Schulz</i>	597
Development of Hypertension Management Mobile Application Based on Clinical Practice Guidelines <i>H. Kang and H.A. Park</i>	602
The Impacts of Blended Learning Design in First Year Medical Studies <i>Pierre Gillois, Jean Luc Bosson, Celine Genty, Jean-Philippe Vuillez and Jean-Paul Romanet</i>	607
Clinical Simulation of Aortic Valve: A Narrative Review <i>E. Ebrahimi Miandehi, M.H. Aazami, H. Niazmand, Y. Mesri, A. Deyranlou and S. Eslami</i>	612
OpenNCP: A Novel Framework to Foster Cross-Border e-Health Services <i>Marcelo Fonseca, Kostas Karkaletsis, Isabel A. Cruz, Alexander Berler and Ilidio C. Oliveira</i>	617
GA-ANFIS Expert System Prototype for Prediction of Dermatological Diseases <i>Lejla Begic Fazlic, Korana Avdagic and Samir Omanovic</i>	622
Facilitating the Adoption of Digital Technologies by the Elderly <i>Séverine Loiseau, César Boog and Sylvia Pelayo</i>	627
An integrated Diet Monitoring Solution for Nutrigenomic Research <i>Costanza Conti, Elena Rossi, Sara Marceglia, Vittorio Tauro, Federica Rizzi, Monica Lazzaroni, Cristina Barlassina, Laura Soldati and Daniele Cusi</i>	632
Draft Guideline for the Development of Evidence Based Medicine-Related Apps <i>Andrea Gonnermann, Ute von Jan and Urs-Vito Albrecht</i>	637
User Experience Integrated Life-Style Cloud-Based Medical Application <i>Alexandru Serban, Oana Sorina Lupșe and Lăcrămioara Stoicu-Tivadar</i>	642
Designing the User Interfaces of a Behavior Modification Intervention for Obesity & Eating Disorders Prevention <i>Ioannis Moulos, Christos Maramis, Alexandros Mourouzis and Nicos Maglaveras</i>	647

Identifying Technology Interaction Opportunities Within a Gastroenterology Exam Room	652
<i>Diogo Abrantes, Pedro Pimentel-Nunes, Mário Dinis-Ribeiro and Miguel Coimbra</i>	
Physical Activity Event Regularity and Health Outcome – ‘Undiscovered Country’ in Cohort Accelerometer Data	657
<i>Michael Marschollek</i>	
Reshaping the Laboratory Results Presentation Layer: Three Interfaces for Handheld Devices	660
<i>Frederic Ehrler, Marion Brissaud, Rolf Wipfli and Christian Lovis</i>	
Design and Evaluation of a Patient Website to Reduce Crowding in Emergency Departments: A Preliminary Study	663
<i>Jessica Schiro, Romaric Marcilly, Nicolas Leroy, Clément Wawrzyniak, Alain Martinot and Sylvia Pelayo</i>	
Apps for Hearing Healthcare	666
<i>Alessia Paglialonga, Gabriella Tognola and Francesco Pincioli</i>	
New Technologies Applied to Surgical Processes: Virtual Reality and Rapid Prototyping	669
<i>Cristina Suárez-Mejías, Gorka Gomez-Ciriza, Israel Valverde, Carlos Parra Calderón and Tomás Gómez-Cía</i>	
Experiences as Input to eHealth Design – A Hip Surgery Patient Journey Case	672
<i>Maria Hägghund, Peter Bolin and Sabine Koch</i>	
ADVISE: First Results of a European Interoperative Information System Network Developed for the ADenoVirus Initiative Study in Epidemiology	675
<i>Laurent Toubiana, Jérémie Riquier and Brigitte Duquesroix</i>	
iCarer: AAL for the Informal Carers of the Elderly	678
<i>P.A. Moreno, J.L. Garcia-Pacheco, J. Charvill, A. Lofti, C. Langensiepen, A. Saunders, K. Berckmans, J. Gaspersic, L. Walton, M. Carmona, S. Perez de la Camara, R. Sanchez-de-Madariaga, J. Pozo, A. Muñoz, M. Pascual and E.J. Gomez</i>	
A Medical Application to Bridge the Gap Between Clinicians and Clinical Data	681
<i>Mark Finkelstein, Khawaja H. Bilal and Michael Palese</i>	
7. Advanced Analytics and Big Data in Healthcare	
Virtual File System on NoSQL for Processing High Volumes of HL7 Messages	687
<i>Eizen Kimura and Ken Ishihara</i>	
Analysis of Care Pathway Variation Patterns in Patient Records	692
<i>Xiang Li, Jing Mei, Haifeng Liu, Yiqin Yu, Guotong Xie, Jianying Hu and Fei Wang</i>	
A Big Data-Driven Model for the Optimization of Healthcare Processes	697
<i>Vassiliki Koufi, Flora Malamateniou and George Vassilacopoulos</i>	

Semantic Integration of Medication Data into the EHOP Clinical Data Warehouse	702
<i>Denis Delamarre, Guillaume Bouzille, Kevin Dalleau, Denis Courtel and Marc Cuggia</i>	
Integrating Medical and Research Information: A Big Data Approach	707
<i>Carlos M. Tilve Álvarez, Alberto Ayora Pais, Cristina Ruíz Romero, Daniel Llamas Gómez, Lino Carrajo García, Francisco J. Blanco García and Guillermo Vázquez González</i>	
Measuring Data Quality: A Review of the Literature Between 2005 and 2013	712
<i>Jürgen Stausberg, Daniel Nasseh and Michael Nonnemacher</i>	
8. Digitized Public and Private Healthcare Enterprise	
Ethical, Legal and Social Issues Related to the Health Data-Warehouses: Re-Using Health Data in the Research and Public Health Research	719
<i>Eugenia Lamas, Anne Barh, Dario Brown and Marie-Christine Jaulent</i>	
How to Represent the Decision Process in a Medication Plan: The Case of the Swiss Cohort of Inflammatory Bowel Diseases	724
<i>Frederic Ehrler, Philippe Baumann and Christian Lovis</i>	
A High-Availability Architecture for Continuous Monitoring of Sleep Disorders	729
<i>Alexandru Iovanovici, Alexandru Topirceanu, Mihai Udrescu, Lucian Prodan and Stefan Mihaicuta</i>	
Sharing Models and Tools for Processing German Clinical Texts	734
<i>Johannes Hellrich, Franz Matthies, Erik Faessler and Udo Hahn</i>	
Detecting Learning and Reasoning Patterns in a CDSS for Dementia Investigation	739
<i>Helena Lindgren and Chunli Yan</i>	
A New Tool for Foetal Phonocardiography Simulation	743
<i>Maria Romano, Paolo Bifulco, Luigi Iuppariello, Fabrizio Clemente, Gianni D'Addio and Mario Cesarelli</i>	

9. Bioinformatics

ISO 13606 Based System for Biomedical Parameter Storage, Querying and Alarm Detection	751
<i>Miguel Ramos Naveira, Javier Broullón Molanes, Dolores Rimada Mora, Daniel Llamas Gómez, Lino Carrajo García and Guillermo Vázquez González</i>	
A CAD System for the Acquisition and Classification of Breast TMA in Pathology	756
<i>M. Milagro Fernández-Carrobbles, Gloria Bueno, Oscar Déniz, Jesús Salido, Marcial García-Rojo and Lucía González-López</i>	

Computational Study of the Self-Assembly of Two Different Cell Populations in Contact with a Biomaterial	761
<i>Andreea Robu, Lacramioara Stoicu-Tivadar, Nicolae Robu and Adrian Neagu</i>	
Privacy-Preserving Statistical Query and Processing on Distributed OpenEHR Data	766
<i>Meskerem Asfaw Hailemichael, Luis Marco-Ruiz and Johan Gustav Bellika</i>	
A Method to Pinpoint Undiscovered Links in Genetic and Protein Networks	771
<i>Versavia Ancusa and Laura Broasca</i>	
A Socio-Technical Analytical Framework on the EHR-Organizational Innovation Interplay: Insights from a Public Hospital in Greece	776
<i>Maria Emmanouilidou</i>	
10. Mobile Healthcare Services	
A Framework for Evaluating mHealth Tools for Older Patients on Usability	783
<i>G.A. Wildenbos, L.W. Peute and M.W.M. Jaspers</i>	
A Mobile Application Supporting Outpatient Treatment and Follow-Up	788
<i>Serena Buzzacchino, Giordano Lanzola, Paolo Bossi, Lisa Licitra and Silvana Quaglini</i>	
Mobile Health Apps in Sweden: What Do Physicians Recommend?	793
<i>Yiping Zhang and Sabine Koch</i>	
A Mobile Application to Manage and Minimise the Risk of Late Effects Caused by Childhood Cancer	798
<i>Ann-Kristin Kock, Rafiye Kaya, Christian Müller, Björn Andersen, Thorsten Langer and Josef Ingenerf</i>	
Nurses Behaviour Pre and Post the Implementation of Data Capture Using Tablet Computers in a Rural Clinic in South Africa	803
<i>Graham Wright, Don O'Mahony, Chrispin Kabuya, Helen Betts and Anthony Odama</i>	
How to Organize for a Large-Scale OpenEHR-Based Electronic Patient Record	808
<i>Gro-Hilde Ulriksen, Rune Pedersen, Rolf Wynn and Gunnar Ellingsen</i>	
The Impact of eHealth and mHealth on Doctor Behavior and Patient Involvement: An Israeli and Portuguese Comparative Approach	813
<i>Gabriel Catan, Rita Espanha, Rita Veloso Mendes, Orly Toren and David Chinitz</i>	
A Mobile Platform for Emergency Care	818
<i>Eleonora Losiouk, Silvana Quaglini, Massimo Pesenti Campagnoni and Giordano Lanzola</i>	
Privacy Provision in eHealth Using External Services	823
<i>Jaime Delgado and Silvia Llorente</i>	

- Heart Rate Prediction for Coronary Artery Disease Patients (CAD): Results of a Clinical Pilot Study 828
Frerk Müller-von Aschwege, Anke Workowski, Detlev Willemsen, Sebastian M. Müller and Andreas Hein

11. Empirical Research Methodologies

- How Much Does Hyperkalemia Lengthen Inpatient Stays? About Methodological Issues in Analyzing Time-Dependant Events 835
Emmanuel Chazard, Choé Dumesnil and Régis Beuscart
- A Health Analytics Semantic ETL Service for Obesity Surveillance 840
M. Poulymenopoulou, D. Papakonstantinou, F. Malamateniou and G. Vassilacopoulos
- Usability Evaluation of a COPD Remote Monitoring Application 845
Berglind Smaradottir, Martin Gerdes, Rune Fensli and Santiago Martinez
- Applying Machine Learning to Gait Analysis Data for Disease Identification 850
Ranveer Joyseeree, Rami Abou Sabha and Henning Mueller
- Public Health Triangulation to Inform Decision-Making in Belgium 855
N. Bossuyt, V. Van Casteren, G. Goderis, J. Wens, S. Moreels, K. Vanthomme and E. De Clercq
- An Original Imputation Technique of Missing Data for Assessing Exposure of Newborns to Perchlorate in Drinking Water 860
Alexandre Caron, Guillaume Clement, Christophe Heyman, Eva Aernout, Emmanuel Chazard and Alain Le Tertre

12. Digital Health Improving Management of Resources in Healthcare

- Process Assessment by Automated Computation of Healthcare Quality Indicators in Hospital Electronic Health Records: A Systematic Review of Indicators 867
Emmanuel Chazard, Djaber Babaousmail, Aurélien Schaffar, Grégoire Ficheur and Régis Beuscart
- EHR System MojTermin: Implementation and Initial Data Analysis 872
Goran Velinov, Boro Jakimovski, Dragan Lesovski, Daniela Ivanova Panova, Dalibor Frtunik and Margita Kon-Popovska
- Development of ISO 13606 Archetypes for the Standardisation of Data Registration in the Primary Care Environment 877
Jesús Barros Castro, Alejandro Lamelo Alfonsín, Javier Prieto Cebreiro, Dolores Rimada Mora, Lino Carrajo García and Guillermo Vázquez González
- Implementation of a Cloud-Based Blood Pressure Data Management System 882
Mu-Hsing Kuo

A “pivot” Model to Set Up Large Scale Rare Diseases Information Systems: Application to the Fibromuscular Dysplasia Registry	887
<i>Laurent Toubiana, Adrien Ugon, Alessandra Giavarini, Jérémie Riquier, Jean Charlet, Xavier Jeunemaitre, Pierre-François Plouin and Marie-Christine Jaulent</i>	

Serious Game Scores as Health Condition Indicator for Cancer Patients	892
<i>Konrad Peters, Fares Kayali, Andrea Reithofer, Rebecca Wölflle, Ruth Mateus-Berr, Jens Kuczwara, Zsuzsanna Lehner, Anita Lawitschka, Barbara Brunmaier, Daniel Martinek, Marisa Silbernagl and Helmut Hlavacs</i>	

13. Digital Networks and Services

Developing a Mobile Application for Recording Learning Experiences in Nursing Practice	899
<i>Marcus B. Becker, Marianne Behrends, Christoph Barthel, Thomas Kupka, Regina Schmeer, Iris Meyenburg-Altwarg and Michael Marschollek</i>	

Client-Side Medical Image Colorization in a Collaborative Environment	904
<i>Ioan Virag, Lăcrămioara Stoicu-Tivadar and Mihaela Crișan-Vida</i>	

A User-Editable Web-Based Platform to Streamline Clinical Information Flow	909
<i>Mark Finkelstein, Ammar Siddiqui, Theodore Pak, Kevin Hu, Chloe Ciccariello, Vinicius Knabben, David Chiang, David C. Thomas and Yasmin S. Meah</i>	

Using EHR-Linked Biobank Data to Study Metformin Pharmacogenomics	914
<i>Matthew K. Breitenstein, Gyorgy Simon, Euijung Ryu, Sebastian M. Armasu, Richard M. Weinshilboum, Liewei Wang and Jyotishman Pathak</i>	

A Cloud Based Real-Time Collaborative Platform for eHealth	919
<i>Bogdan Ionescu, Cristian Gadea, Bogdan Solomon, Dan Ionescu, Vasile Stoicu-Tivadar and Mircea Trifan</i>	

PyMedTermينو: An Open-Source Generic API for Advanced Terminology Services	924
<i>Jean-Baptiste Lamy, Alain Venot and Catherine Duclos</i>	

Designing ETL Tools to Feed a Data Warehouse Based on Electronic Healthcare Record Infrastructure	929
<i>Fabrizio Pecoraro, Daniela Luzi and Fabrizio L. Ricci</i>	

Posters

Generic Case Extractor: Extended Export of Clinical Facts from i2b2	937
<i>Daniel Firnkorn, Matthias Gietzelt, Christian Karmen, Matthias Ganzinger and Petra Knaup</i>	

Use of Meteorological, Environmental and Spatial Variables to Predict Drug Use	938
<i>J.J. Cubillas, M.I. Ramos, M.C. Gutiérrez, F.R. Feito, A. Parra and J.C. Arias</i>	
Improving Metadata Quality Assessment in Public Health and Epidemiology	939
<i>Christiana McMahon, Tito Castillo, Dennis Kehoe and Spiros Denaxas</i>	
Diagnosis Management of Gestational Diabetes Using a Decision Support System Based on Clinical Guidelines	940
<i>Nassim Douali and Marie-Christine Jaulent</i>	
A Method for Accurate Estimation of AUC for Repeated Intravenous Infusions	941
<i>Harukazu Tsuruta, Noritaka Mamorita and Naoya Arisaka</i>	
Analysis of Relationships Among Health-Risk Behavior in Korean Adolescents	942
<i>GyeongAe Seomun and Wonjung Noh</i>	
Influential Factors Related to Medical Information Security Practices: Organizational Awareness and Ethics	943
<i>Sonyoung Kim and GyeongAe Seomun</i>	
Impact of Information Technology-Based Interventions for Type 2 Diabetes Mellitus on Glycaemic Control: A Systematic Review and Meta-Analysis	944
<i>Nouf Alharbi, Nada Alsubki and Simon de Lusignan</i>	
Model for the Integration of Heterogeneous Diagnosis Support Systems	945
<i>Oscar Marin-Alonso, Daniel Ruiz-Fernandez and Antonio Soriano-Paya</i>	
Secondary Use of Austrian Health Claims Data to Explore Adverse Drug Events	946
<i>Simone Sauter, Christoph Rinner, Lisa Neuhofer, Doron Edlinger, Wilfried Grossmann, Michael Wolzt, Gottfried Endel and Walter Gall</i>	
Medplan: An Interactive Patient-Healthcare Professional Medication Management Tool	947
<i>H. Anglada, M. Martin, M. Rovira, J.M. Sotoca, V. Escudero, A. Herranz and C. Codina</i>	
Decision Support to Help Identify Patients for Advanced Heart Failure Therapies	948
<i>R. Scott Evans, Deborah Budge, Jose Benuzillo, James F. Lloyd, Jen Nixon, Rami Alharethi, Kismet Rasmusson, Colleen Roberts, Benjamin D. Horne and Donald Lappe</i>	
BPM Applied to COPD Management	949
<i>Javier Ramírez, Daniel Ruiz and Virgilio Gilart</i>	
Using Gene Expression and Systems Biology to Interrogate Auditory Hallucinations in Schizophrenic Patients	950
<i>Guillermo Lopez-Campos, Javier Gilabert-Juan, Noelia Sebastia-Ortega, Rocio Gonzalez-Martinez, Juan Nacher, Julio Sanjuan and Maria Dolores Molto</i>	

Clinical Specimen Receipt System Using a Mobile Smart Device <i>Kap No Lee, Deok Whan Kim, Hyung Jun Kim, Nam Sik Cho and Bong Woo Lee</i>	951
Health Care Professionals and the Privacy Policy <i>Kristina Kralik, Aleksandar Erceg, Vesna Ilakovac, Krešimir Šolić and Mira Hercigonja-Szekeres</i>	953
Using Geographic Information Systems to Improve the Accuracy of Data Mining Models to Predict the Flow of Patients to the Health Centers <i>J.J. Cubillas, F.R. Feito, M.I. Ramos, J.C. Arias, A. Parra and T. Ureña</i>	954
Knowledge, Use and Attitudes Towards Information and Communication Technologies Among Medical Students <i>Natasa Milic, Goran Trajkovic, Zoran Bukumiric, Andja Cirkovic, Jelena Milin Lazovic and Dejana Stanisavljevic</i>	955
An Approach to Improve Medication Adherence by Smart Watches <i>Fabian Sailer, Monika Pobiruchin, Martin Wiesner and Gerrit Meixner</i>	956
Electronic Oral Health Record in Forensic Dentistry <i>Jana Zvarova, Karel Chleborad, Karel Zvara and Tatjana Dostalova</i>	959
E-OncoHealth: Telemedicine Program for Monitoring Onco-Hematological Outpatients <i>Vicente Escudero-Vilaplana, Almudena Ribed, Sara Ibáñez-García, Roberto Collado-Borrell, Helena Anglada-Martínez, Ana Herranz-Alonso, Carlos Codina-Jané and María Sanjurjo-Sáez</i>	960
A New Hospital Information System Toward a Promotion for Security and BCP Strategy <i>Masayuki Honda and Takahiro Matsumoto</i>	962
“Quartile” Screening Method to Analyze the Relationship Between HIS and “AEROS” in Japan <i>Takayuki Hoshino, Nozomu Matsubara, Teruko Ueda, Yuichi Hirayama, Ayami Hoshino and Shiho Takaoka</i>	964
Workflow-Based Integration of EDCS and PACS Supporting Image-Based Surrogates in Clinical Trials <i>Daniel Haak, Charles-E. Page and Thomas M. Deserno</i>	966
Development of an Advanced Clinical Decision Support System on Medication Safety <i>Sara Ibáñez-García, Ana Herranz-Alonso, Jose Luis de la Rosa, Carmen Guadalupe Rodríguez-González, Maria Luisa Martín-Barbero and María Sanjurjo-Sáez</i>	968
Integrating Home Monitoring for Transcranial Direct Current Stimulation (tDCS) Therapy to Professional Care Environment <i>Elena Rossi, Giuseppe Pozzi, Lorenzo Rossi, Alberto Priori and Sara Marceglia</i>	970

A Proposal of a Standard Format for Allergy Information in Electronic Medical Records	972
<i>Masaharu Nakayama and Ryusuke Inoue</i>	
Comparing Representation Abilities of Semantic Standards in the Field of Emergency Room Treatment	973
<i>Heike Dewenter, Dominik Brammen, Felix Walcher and Sylvia Thun</i>	
Design of a Health Analytics Online Program to Improve Healthcare Provider Orders	974
<i>D. Papakonstantinou, M. Poulymenopoulou, F. Malamateniou and G. Vassilacopoulos</i>	
Exploiting Semantic Predications in a Graph Database	975
<i>Andrej Kastrin, Thomas C. Rindflesch, Dejan Dinevski and Dimitar Hristovski</i>	
ePrescription in Critical Care Unit	976
<i>Humberto Fernán Mandirola Brioux, Fernando Plazzotta, Calos Otero, Damian Borbolla and Sebastián Guillén</i>	
Use of a Computerized Clinical System as a Monitoring Tool for Infection Control	977
<i>Stas Zusman, Alexander Axel, Liat Toudieris, Pnina Schlaeffer and Eran Segal</i>	
Reusing Claims Data to Assess Parenthood as Risk Factor for Myocardial Infarction	979
<i>Florian Endel, Simone Sauter, Lorenz Koller, Alexander Niessner and Georg Duftschmid</i>	
Archetype Representation of PROMs	980
<i>Daniel Karlsson and Leili Lind</i>	
More Eating Disorder Patients than Others Double Check Information Given by Their Doctors	981
<i>Rolf Wynn, Gunn Pettersen, Jan Rosenvinge, Svein Bergvik and Oddgeir Friborg</i>	
Analysis of Hospital Bed Management and Patient Mobility Using Open Data Sources	982
<i>Fabrizio Pecoraro, Daniela Luzi and Fabrizio Clemente</i>	
Integrating and scaling Through CDA: Making Specialist and Longitudinal Records Interoperable	983
<i>Fernando Campos, Daniel Luna, Guillermo Rosa Diez, Adrian Marano and Fernán González B. de Quirós</i>	
Spatial Science, Big Data and a European Health Intelligence Model	984
<i>Nick Nicholas and Hamish Robertson</i>	
Piecewise Regression of Semi Logarithmic Plotting: A Method to Represent and Analyse Dynamics of Epidemics	985
<i>Vincent Auvigne, Patrick Guérin and Laurent Toubiana</i>	

Using Model-Driven Engineering and Health Standards for Improving Healthcare Processes Management	986
<i>Alicia Martínez-García, María José Escalona, Julián Alberto García-García, Gustavo Aragón, Alberto Moreno-Conde and Carlos Parra</i>	
BIMCV: Synergy Between Peta Bytes of Data in Population Medical Imaging, Computer Aided Diagnosis and AVR	987
<i>María de la Iglesia-Vayá, José María Salinas, Gonzalo M. Rojas, Juan Carlos Pérez Cortés, Rafael Llobet, Miguel Angel Cazorla, Jacobo Martínez, Luis Martí-Bonmatí, Ignacio Blanquer, Manuel Regaña and José Miguel Puig</i>	
A Clinical Decision Support System for the Admission/Discharge of Patients with Diabetes	990
<i>Sumiko Akahori, Koji Uemura, Eizen Kimura, Koji Murao and Hideto Yokoi</i>	
Development of Support System for Aligning Dose-Distribution Images in Multiple Radiotherapy Using Nonlinear Registration Method	992
<i>Koji Uemura, Takumi Tanikawa, Masami Mukai and Yutaka Ando</i>	
A Novel Cache and SSD-Based Index Structure for Health Record Indexing	993
<i>Yang Du and Sule Yildirim-Yayilgan</i>	
Bringing Heterogenous Research Data Together: Data Protection for the German Centre for Lung Research (DZL)	995
<i>Raphael W. Majeed, Stefan Kuhn, Clemens Ruppert, Andreas Günther and Rainer Röhrig</i>	
Information Technology in Research Methodology: Improvement or Maybe Not? Comparison of Different Methods of Data Collection in a Research Study of Attitude Towards Plagiarism	996
<i>Martina Mavrinac, Gordana Brumini and Mladen Petrovečki</i>	
Smartphones in ADHD Management	998
<i>Nihal Dizdar and Neşe Zayim</i>	
ContSys Under Ontological Scrutiny	999
<i>Catalina Martínez-Costa, Stephen Kay, Nicholas Oughtibridge and Stefan Schulz</i>	
Secure Virtualised Working Environment for Clinical Research	1000
<i>Thomas Müller</i>	
A Software Solution for Maternity Rooms Assignment Management	1001
<i>Reza Jounwaz, Julien De Jonckheere, Thameur Rakza and Régis Logier</i>	
A Software Solution for Neonatal Nosocomial Infections Monitoring	1002
<i>Reza Jounwaz, Antoine Lamer, Nadine Kacet and Régis Logier</i>	
Use of an Anesthesia Database for the Estimation of Surgery Duration	1003
<i>Antoine Lamer, Julien De Jonckheere, Michel Delecroix and Régis Logier</i>	

The Design of Web-Based Medical Licensing Information System at Semarang City Health Office	1004
<i>Dina Nur Anggraini Ningrum, Yu-Chuan Li, Chien-Yeh Hsu and Cahya Tri Purnami</i>	
NATHCARE – Networking Alpine Health for Continuity of Care. The Pilot Case in the Province of Trento	1005
<i>Caludio Eccher, Michela Dalmartello, Elisa Morganti, Emanuele Torri, Giandomenico Nollo, Roberto Zuffada and Natalia Allegratti</i>	
Development of an Information Model for a Regional Shared EHR Based on the Concurrent Use of EN 13904 and ISO 13606 Standards	1008
<i>Pablo Serrano, Serapio Severiano, Jesús Castellano, Carmen Fuentes, Alfredo Paya, Ernesto Barrera and Mariano Casado</i>	
Tracking Study Patients in a University Hospital Information System	1010
<i>Sebastian Stäubert, Kirsti Meinel, Frank Meineke, Matthias Löbe and Alfred Winter</i>	
A Communicable Disease Query Engine	1012
<i>Johan Gustav Bellika, Luis Marco and Rolf Wynn</i>	
Functional Assessment Model for Hospital Information Systems in I.R. Iran	1013
<i>Somayyeh Abedian, Ehsan Bitaraf and Hossein Riazzi</i>	
Mobile ICT Solution for House Calls Health Care Support	1016
<i>Dejan Zilli, Jožica Leskovšek and Srečko Natek</i>	
Contactless Blood Pressure Monitoring	1017
<i>In cheol Jeong and Joseph Finkelstein</i>	
Application of ISO 13606 Archetypes for a HIS-LIS Integration	1018
<i>Georgy Kopanitsa and Vladimir Yampolsky</i>	
EVITOM Project: Mobile App for Specific Oral Tolerance Induction in Children	1019
<i>Alberto Moreno-Conde, Antonio Ramírez-Jimenez, Elena Lechuga-Rodríguez, Francisco Jódar-Sánchez, Jesús Moreno-Conde, Alba García-Jimenez and Pedro Guardia-Martínez</i>	
Creating a Drug Knowledge Database for Integration into a Health Information System	1020
<i>Carlos Otero, Cintia Gimenez, Soledad Diaz, Romina Rebrij, Laura Mattioni and Daniel Luna</i>	
Telerehabilitation Programme Based on Serious Games and Lifestyle Monitoring	1022
<i>Alberto Moreno-Conde, Francisco Jódar-Sánchez, Marta Pajaro-Blázquez, Alvaro Dueñas-Ruiz, Begoña Ferrer-González, M^a José Zarco-Periñan and Carlos Parra-Calderón</i>	
Patients Drug Exchange Forum Corpus: Toward Drug Safety Signals Detection	1023
<i>Renaud Perichon, Emmanuel Chazard and Régis Beuscart</i>	

Intervention Based on Mobile Technology for Asthma Control and Healthy Lifestyle Habits Promotion in Asthma Patients with Obesity	1024
<i>David José Sánchez-Pardo, Jesús Moreno-Conde, Francisco Jódar-Sánchez, Carmen Segura-Sanchez, Alberto Moreno-Conde, Elena Lechuga-Rodríguez, Ana M^a Morales Peña, Tomás Martínez Hernández and Pedro Guardia-Martínez</i>	
Evaluation of Drug and Disease Influence on Occurrence of Hyperkalemia: A Data Mining Approach	1026
<i>Petra Volk Markovic, Tomislav Laptos, Marko Robnik-Sikonja and Andreja Cufar</i>	
Long-Term Prefetching for Cloud Medical Imaging Repositories	1028
<i>Carlos Viana-Ferreira, Sérgio Matos and Carlos Costa</i>	
Kibera Medical Record Initiative: Barriers of Implementing an Electronic Medical Record System	1031
<i>Badeia Jawhari, Byron Berenger and Abdullah Saleh</i>	
Process Management Tool for Planning Surgical Activity	1033
<i>Germán-Antonio Escobar-Rodríguez, Alicia Martínez-García, Patricia Bonachela-Solas, Antonio Fornelino-Díez and Carlos-Luis Parra-Calderón</i>	
Information Extraction of Eligibility Criteria for Trial Enrolment Support	1034
<i>M.S. Marshall, J. van Soest, R. Dresens, J. Paulissen, P. Lambin and A. Dekker</i>	
Construction of the Interfaces Integration Infrastructure Between Multiple Systems	1035
<i>Tadahiro Shimogawa</i>	
In-Hospital Telemedicine – Live Interactive Nurses’ Pain Consultations	1036
<i>O. Shamay-Rosler, I. Gur-Aryeh, B. Lavi, S. Elbaum, A. Grinberg, S. Goldberg and E. Zimlichman</i>	
“SMART Travel Health” Application	1038
<i>Parisis Gallos and John Mantas</i>	
Attitudes of Mental Health Patients Toward the Use of Mobile Health Technologies	1039
<i>Mohammad A. Faysel</i>	
Subject Index	1041
Author Index	1051